

**AMENDMENT TO THE ABSTRACT**

Please cancel the Abstract and replace with the following:

-- An approach for performing synchronization is provided. Phase and timing offsets are first estimated in order to calculate a frequency offset. A receiver processes a signal received from a satellite and determine offset information. The receiver includes a phase estimator for estimating a phase offset of the received signal, a timing estimator for estimating a timing offset of the received signal, and a frequency estimator for deriving a frequency offset from the phase and timing offset. A determination is made as to whether the sampling was done at a peak wave point of the data. --